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tilePANEL wall panels consist of compact grade laminate, made from a core layer impregnated with phenolic resin and double sided surfaces layers impregnated with melamine resin. Manufacture is carried out to BS EN 438.

Size/Weight

- 2440 x 1220 x 3mm / Approx 14kg
- 2440 x 900 x 3mm / Approx 10.5kg
- 2440 x 600 x 3mm / Approx 7kg

- Thickness Tolerance +/- 0,3mm
- Length/Width Tolerance +10mm/ -0mm
- Warping Tolerance +/- 12mm warping per metre
- Mosaic Tile Tolerance +/- 15mm per panel length

The panels can be cut to size if required.

Colours 10 colours are available to order from stock, on 5 double-sided panels.

Accessories

Tilepanel aluminium edge profiles 2.5m long are available in four profiles, and in four finishes:

Profile	Finish
Internal corner	White
External corner	Black
L Shaped End Cap	Satin Anodised Silver
Quadrant End Cap	Polished Silver

Cleaning

The panels should be cleaned using warm water and a non-abrasive mild detergent (not bleach). Scouring products or powders should not be used. See separate cleaning chart for more detailed information.



Precautions

When cutting or trimming the boards sharp edges may be encountered which should be smoothed off using sandpaper or a plane. Aluminium cutting should be carried out using appropriate metal cutting tools such as a hack saw and de-burred. Appropriate eye protection should always be worn. When disposed of, the panels are suitable for landfill with no leaching or environmental pollution considerations associated with the product.

Fire Rating

As standard tilepanel has a class 2 surface spread of flame fire rating. Class 1 is available to order.

Thermal Properties

Dry Heat

For short periods, tilepanel will withstand surface temperatures of up to 180°C (356°F) to Grade 4, without deterioration of surface or colour (although in some cases a slight loss of sheen may occur). Avoid continuous localised heat. If used in situations of localised heat, such as adjacent to ovens, the maximum temperature to which the panel should be subjected to for long periods (up to 8 hours) is 100°C. In applications, such as use in fire surrounds, panels are subjected to direct heat more or less continuously. In such cases we would not recommend the use of tilepanel.

Resistance to cigarette burns

tilepanel has a resistance rating of 4 (Min 3) to damage by lit cigarettes, and will normally only suffer a loss of sheen and/or slight to moderate brown staining. Excessive localised heating can result in blistering of laminate surface.

Resistance to boiling water

When immersed in boiling water for 2 hours, a maximum mass increase and thickness increase of 4% will occur.

Resistance to Cold

Tilepanel is unaffected by extreme dry cold and cold storage conditions.

Chemical Resistance

Tilepanel has been widely and satisfactorily used for many years in medical and industrial sites. Tilepanel easily meets the requirements of EN 438 test method 15, which specifies resistance to staining by 49 substances in every day use.

Wear Resistance

350 revolutions.